

01 HAC RF_E_CDMA2000 BC0_RC1 SO3_3/: 'TcvgaCh1013

DUT: 312809

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 824.7 MHz; Duty Cycle: 1:20

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.0 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility

Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.33 V/m; Power Drift = 201 dB

Applied MIF = 0.74 dB

RF audio interference level = 28.31 dBV/m

Emission category: M4

MIF scaled E-field

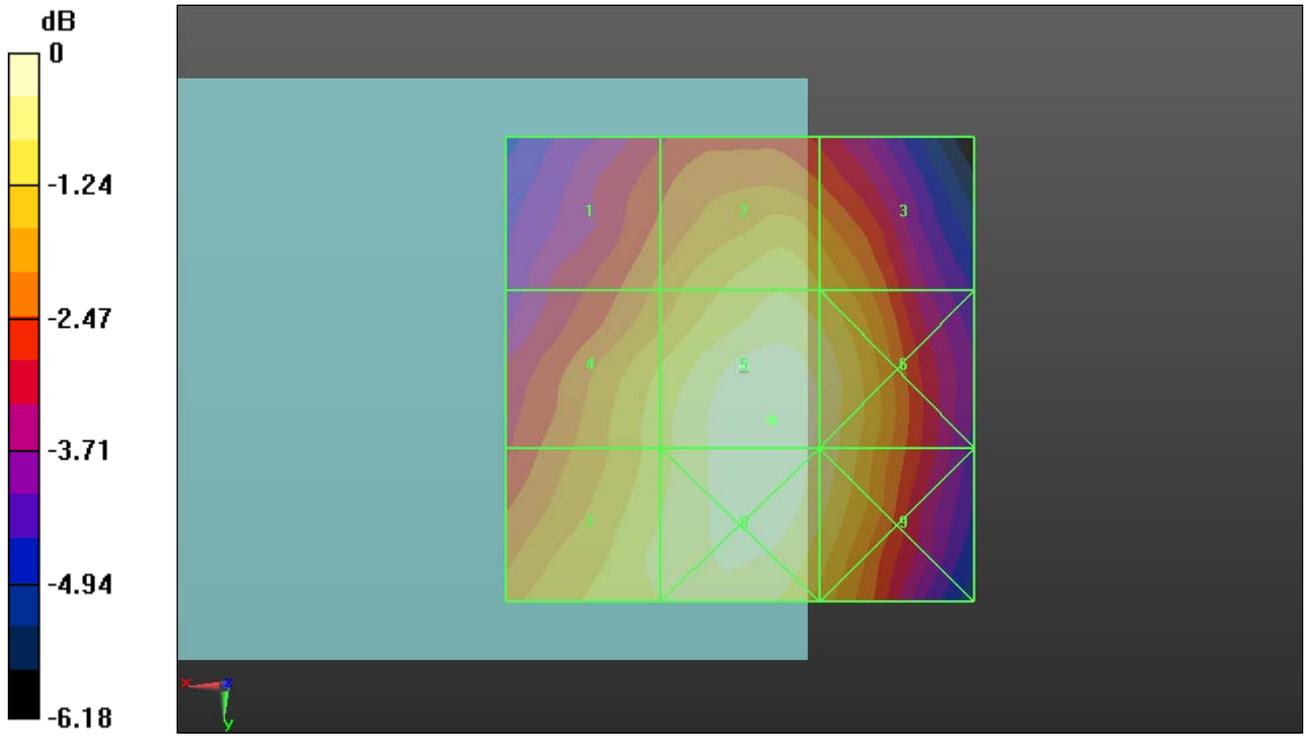
Grid 1 M4 26.38 dBV/m	Grid 2 M4 27.48 dBV/m	Grid 3 M4 27.15 dBV/m
Grid 4 M4 27.33 dBV/m	Grid 5 M4 28.31 dBV/m	Grid 6 M4 27.86 dBV/m
Grid 7 M4 27.6 dBV/m	Grid 8 M4 28.23 dBV/m	Grid 9 M4 27.82 dBV/m

Cursor:

Total = 28.31 dBV/m

E Category: M4

Location: -3.5, 5.5, 8.7 mm



0 dB = 26.03 V/m = 28.31 dBV/m

02 HAC RF_E_CDMA2000 BC0_RC1 SO3_3/: 'TcvgaCh384

DUT: 312809

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 836.52 MHz; Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E Scan - ER3D: 15 mm from Probe Center to the Device 2/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.24 V/m; Power Drift = 0.10 dB

Applied MIF = 0.74 dB

RF audio interference level = 29.01 dBV/m

Emission category: M4

MIF scaled E-field

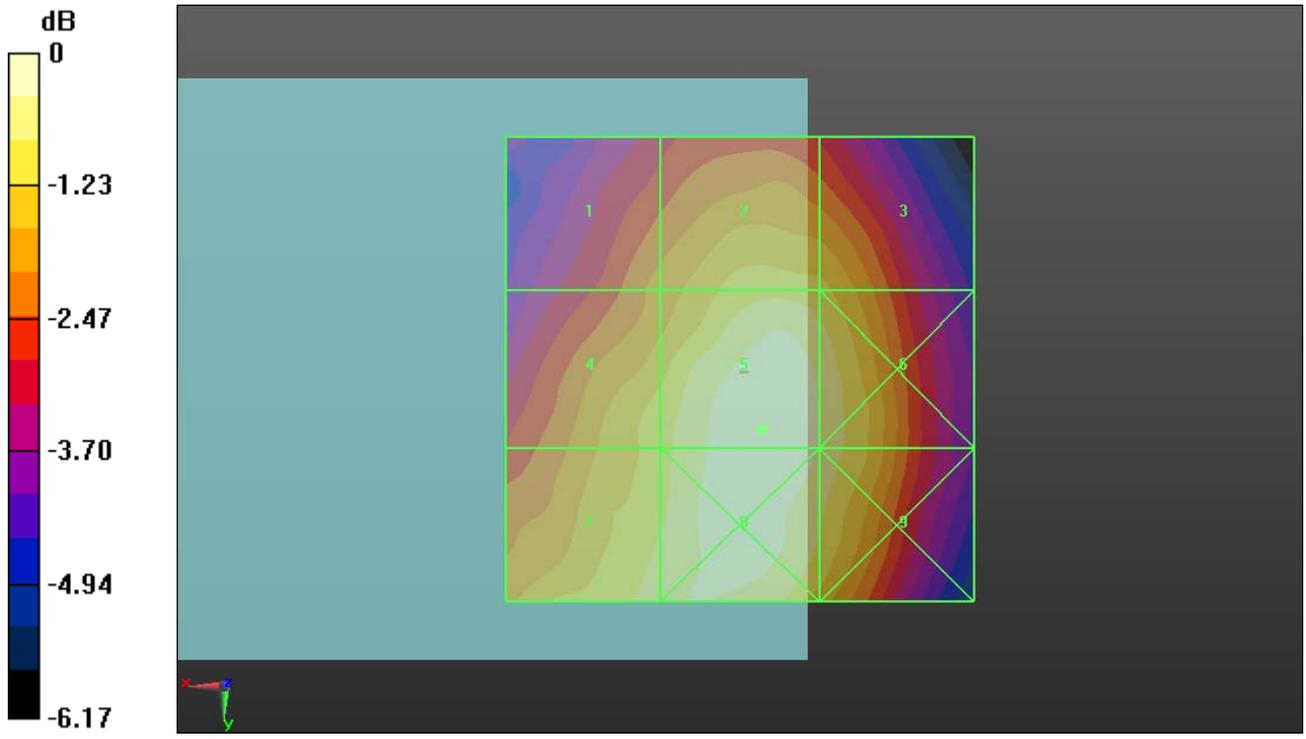
Grid 1 M4 27.13 dBV/m	Grid 2 M4 28.07 dBV/m	Grid 3 M4 27.92 dBV/m
Grid 4 M4 28.03 dBV/m	Grid 5 M4 29.01 dBV/m	Grid 6 M4 28.59 dBV/m
Grid 7 M4 28.39 dBV/m	Grid 8 M4 29 dBV/m	Grid 9 M4 28.56 dBV/m

Cursor:

Total = 29.01 dBV/m

E Category: M4

Location: -2.5, 6.5, 8.7 mm



0 dB = 28.23 V/m = 29.01 dBV/m

03 HAC RF_E_CDMA2000 BC0_RC1 SO3_3/: 'TcvgaCh777

DUT: 312809

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 848.31 MHz; Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E Scan - ER3D: 15 mm from Probe Center to the Device 3/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.66 V/m; Power Drift = 2024 dB

Applied MIF = 0.74 dB

RF audio interference level = 28.96 dBV/m

Emission category: M4

MIF scaled E-field

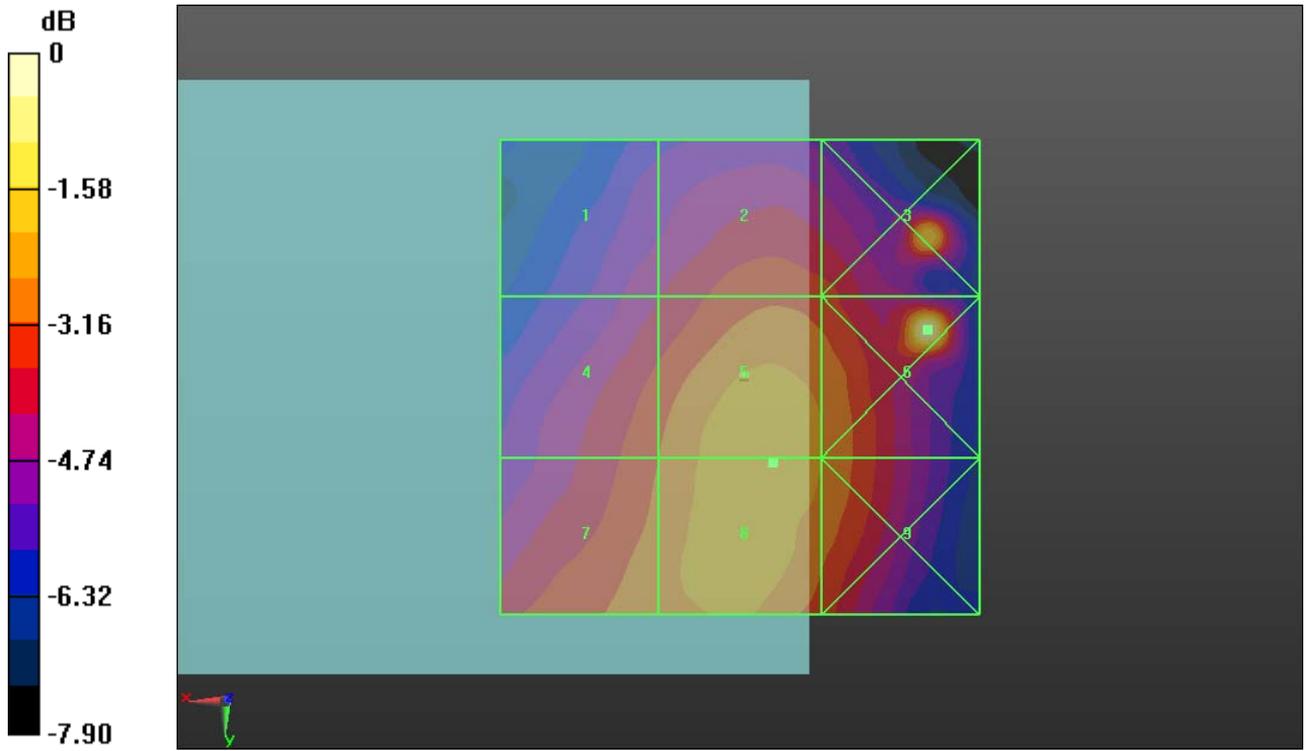
Grid 1 M4 27.05 dBV/m	Grid 2 M4 28 dBV/m	Grid 3 M4 29.69 dBV/m
Grid 4 M4 28.11 dBV/m	Grid 5 M4 28.96 dBV/m	Grid 6 M4 31.26 dBV/m
Grid 7 M4 28.49 dBV/m	Grid 8 M4 28.96 dBV/m	Grid 9 M4 28.64 dBV/m

Cursor:

Total = 31.26 dBV/m

E Category: M4

Location: -19.5, -5, 8.7 mm



0 dB = 36.56 V/m = 31.26 dBV/m

04 HAC RF_E_CDMA2000 BC3_RC1 SO3_3/: 'TcvgaCh25

DUT: 312809

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 1851.25 MHz; Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E Scan - ER3D: 15 mm from Probe Center to the Device 4/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.89 V/m; Power Drift = -0.06 dB

Applied MIF = 0.74 dB

RF audio interference level = 24.33 dBV/m

Emission category: M4

MIF scaled E-field

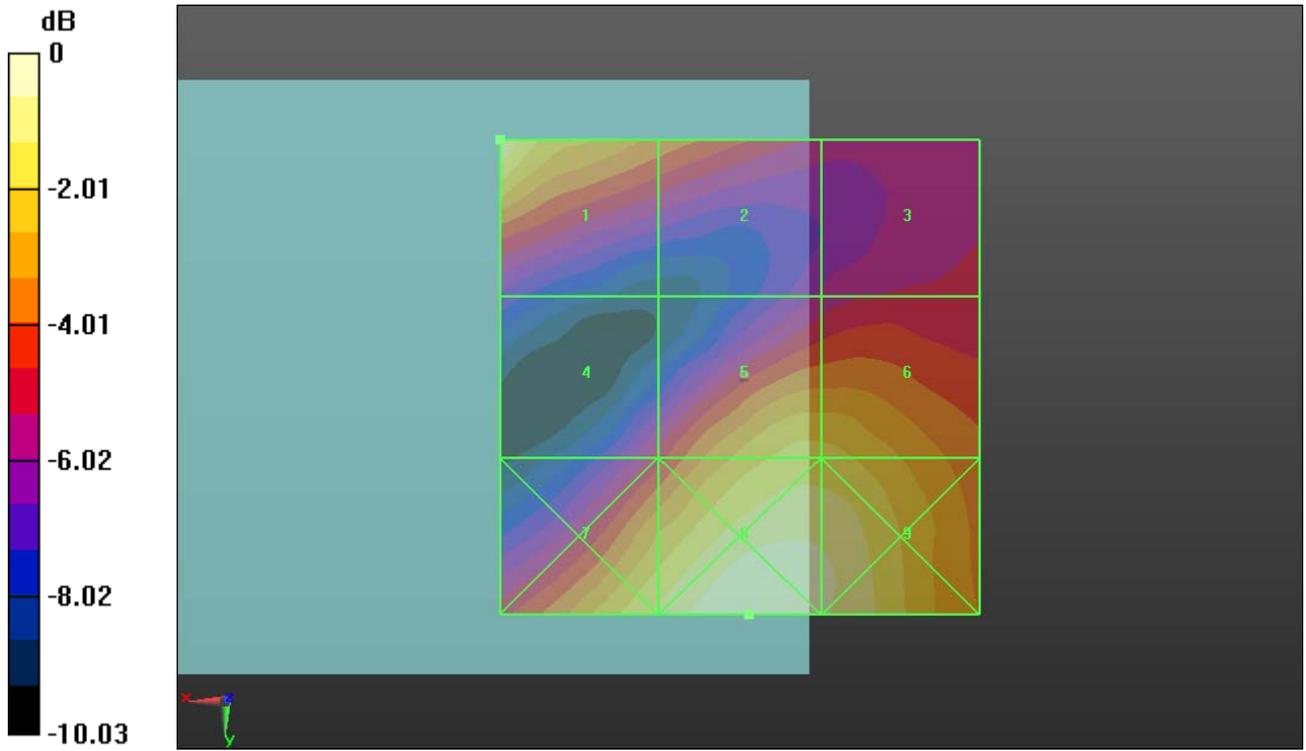
Grid 1 M4 24.33 dBV/m	Grid 2 M4 21.38 dBV/m	Grid 3 M4 19.8 dBV/m
Grid 4 M4 19.93 dBV/m	Grid 5 M4 23.16 dBV/m	Grid 6 M4 23.12 dBV/m
Grid 7 M4 23.74 dBV/m	Grid 8 M4 24.89 dBV/m	Grid 9 M4 24.38 dBV/m

Cursor:

Total = 24.89 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 17.56 V/m = 24.89 dBV/m

05 HAC RF_E_CDMA2000 BC1_RC1 SO3_3/: 'TcvgaCh600

DUT: 312809

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 1880 MHz; Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E Scan - ER3D: 15 mm from Probe Center to the Device 5/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.15 V/m; Power Drift = -2033 dB

Applied MIF = 0.74 dB

RF audio interference level = 22.79 dBV/m

Emission category: M4

MIF scaled E-field

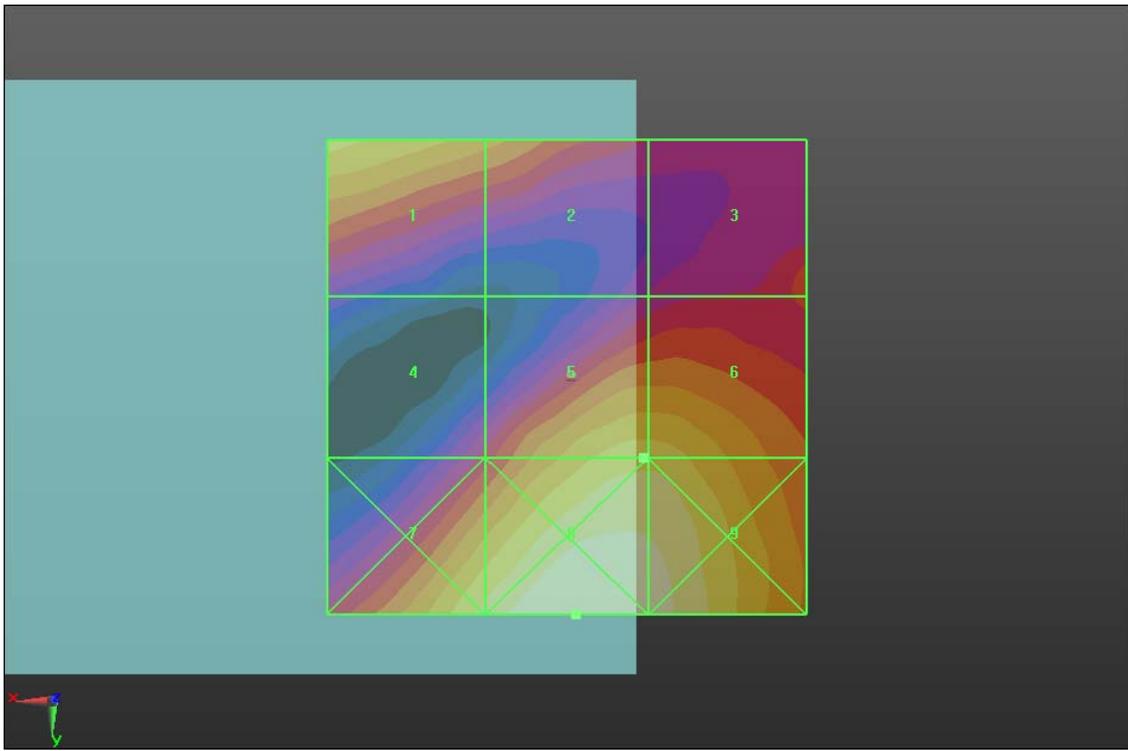
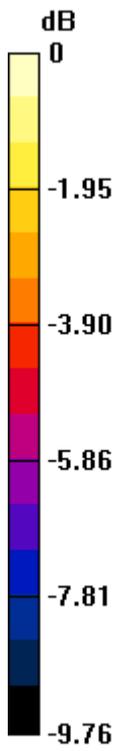
Grid 1 M4 22.67 dBV/m	Grid 2 M4 21.36 dBV/m	Grid 3 M4 20.21 dBV/m
Grid 4 M4 19.46 dBV/m	Grid 5 M4 22.79 dBV/m	Grid 6 M4 22.79 dBV/m
Grid 7 M4 23.24 dBV/m	Grid 8 M4 24.33 dBV/m	Grid 9 M4 24 dBV/m

Cursor:

Total = 24.33 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 16.46 V/m = 24.33 dBV/m

06 HAC RF_E_CDMA2000 BC1_RC1 SO3_1-8 Rate_Ch1175

DUT: 312809

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 1908.75 MHz; Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E Scan - ER3D: 15 mm from Probe Center to the Device 6/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.29 V/m; Power Drift = -0.33 dB

Applied MIF = 0.74 dB

RF audio interference level = 22.08 dBV/m

Emission category: M4

MIF scaled E-field

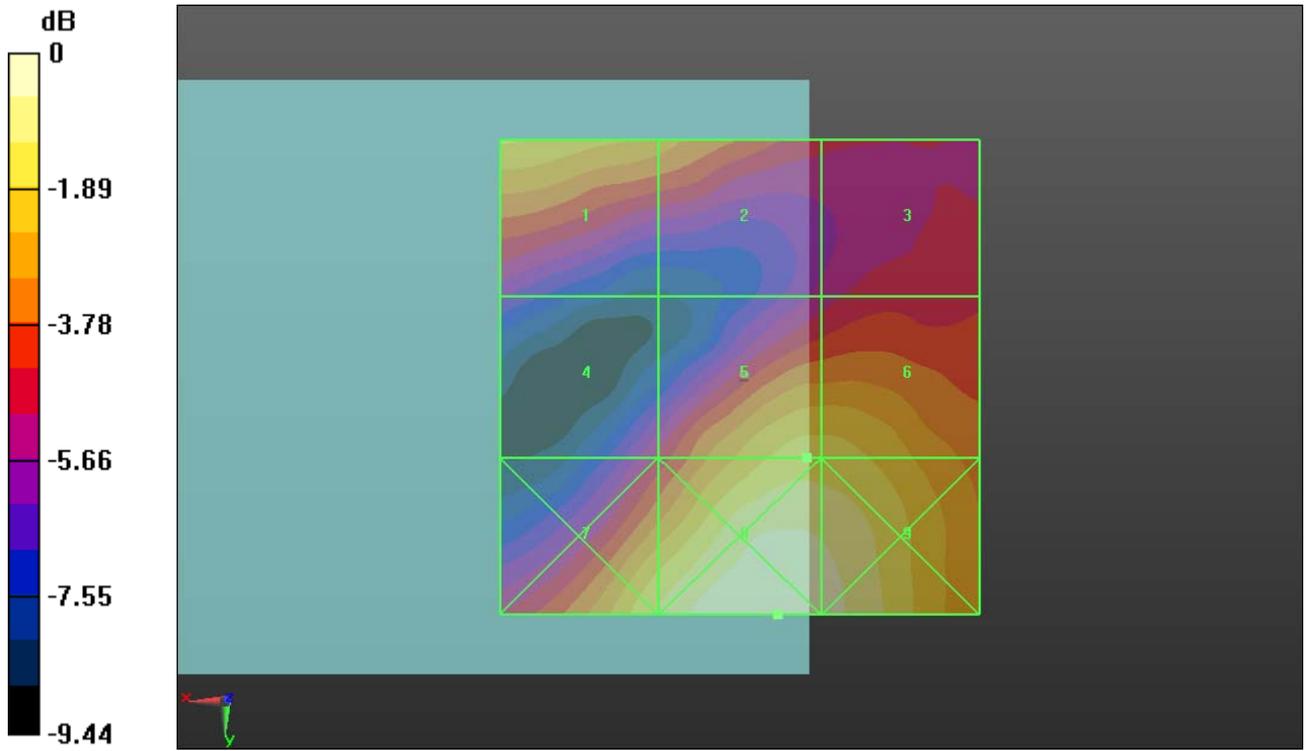
Grid 1 M4 21.88 dBV/m	Grid 2 M4 20.9 dBV/m	Grid 3 M4 19.1 dBV/m
Grid 4 M4 18.81 dBV/m	Grid 5 M4 22.08 dBV/m	Grid 6 M4 22.05 dBV/m
Grid 7 M4 22.51 dBV/m	Grid 8 M4 23.65 dBV/m	Grid 9 M4 23.31 dBV/m

Cursor:

Total = 23.65 dBV/m

E Category: M4

Location: -4, 25, 8.7 mm



0 dB = 15.22 V/m = 23.65 dBV/m